

Recent U.S. Developments in Standby Power Policies

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Executive Order on Standby Power

- On July 31, 2001, President Bush issued Executive Order 13221

“Each agency, when it purchases commercially available, off-the-shelf products that use external standby power devices, or that contain an internal standby power function, shall purchase products that use no more than one watt in their standby power consuming mode.”



Putting the Cart Before the Horse

- At the time the executive order was issued...
 - ...there was no easy way to identify compliant models of most products.
 - ...Energy Star requirements for standby power were higher than one watt for most products
 - ...there were no formal test procedures for most covered products.



Procurement

- The Federal Energy Management Program (FEMP)...
- Defined “standby power” for the E.O.
- Developed a list of covered products
 - Only products with a power cord
- Developed measurement guidelines
- Began compiling test data submitted by manufacturers and posting it on their website.



Standards

- Many products covered by standards use energy in standby, but most existing test procedures did not include standby energy use.
- DOE is taking steps to incorporate standby power in all its test procedures



Labeling (ENERGY STAR)

The history...

- E* and standby
 - Consumer Electronics
 - Office Equipment (sleep modes)
- E* and EO coexist
 - collaborated with FEMP on proposed levels
 - federal purchasers must meet E* and EO



Labeling (ENERGY STAR)

Currently...

- Audio / DVD
 - 1 watt, Jan 2003
- Telephony
 - 1 watt, Jan 2004 for non-SST technology
- TV / VCR
 - analog TVs, VCRs, 1 watt, Jan 2004
 - all other products, 1 watt, Jan 2005
- Computer Monitors
 - 2 watt proposal



Labeling (ENERGY STAR)

Currently (cont'd)...

- Standby to be part of E* specifications where feasible and where agreed upon with industry
- Harmonize with global standby policy efforts



Labeling (ENERGY STAR)

The future...

- Power supplies
 - no load
 - efficiency at low, medium and high loads
 - Intel
- Home networking
 - power management
 - “bake in” at design stage

